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INFORMATION REPORT

COUNTRY Poland

SUBJECT Huta Pokoj and Gliwice Coke Plants

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1. Huta Pokoj Coke Plant: Although the plant had been scheduled to be dismantled in the summer of 1951 because of its outmoded equipment, work had not started by the beginning of 1952. Two old batteries are used, but they are only partially in operation. The plant handles the following coal mixture:

<u>Mine</u>	<u>Percent of total supplied</u>	<u>Quality number</u>
Gliwice	25	35 (best grade)
Boleslaw Chrobry	10	36 (best grade)
Pokoj	50	32-33 (poor quality, usable only in mixture)
Anna	15	34 (good grade)

The coke product of the plant is of poor quality; it yields only about 50 percent blast furnace coke.

2. Gliwice Coke Plant: A new battery was put in operation in January 1951. A second battery, under construction in May 1951, had not been completed by February 1952. The new battery is of the Otto type with 35 furnaces and two receivers.* Furnace dimensions are: length, 13 meters; height, 4 meters; width 0.46 meters. One furnace chamber can hold 20 tons of wet coal. Refining time (Gaerungszeit, is 21 hours. The production of coke from one kilogram of coal requires 560 (sic) kcal. (thousands of calories). The following coal mixture is used:

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<u>Mine</u>	<u>Percent of total supplied</u>	<u>Quality number</u>
Gliwice	40	35
Sosnica	60	33 - 34

This mixture contains the following: 8 to 10 percent water, 6.5 percent ashes, 28 to 29 percent volatile constituents, and 1.0 to 1.5 percent sulphur. The mixture produces 80 percent of wet coke from dry coal, as well as the following:

Gas: 320 cubic meters per ton of coal; heating power of 4,500 kcal. per normal cubic meter (760 mm. and 0 degrees)

Tar: 3.4 percent

Benzole: 1.3 per cent

The product is 80 percent blast furnace coke. The solidity of the blast furnace coke is 70 percent larger than 40 millimeters, upon application of the drum test.

* Comment: Confirms previous information. It has also been report that the one battery produces 800 to 1,000 tons of coal daily.

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